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Bibliography

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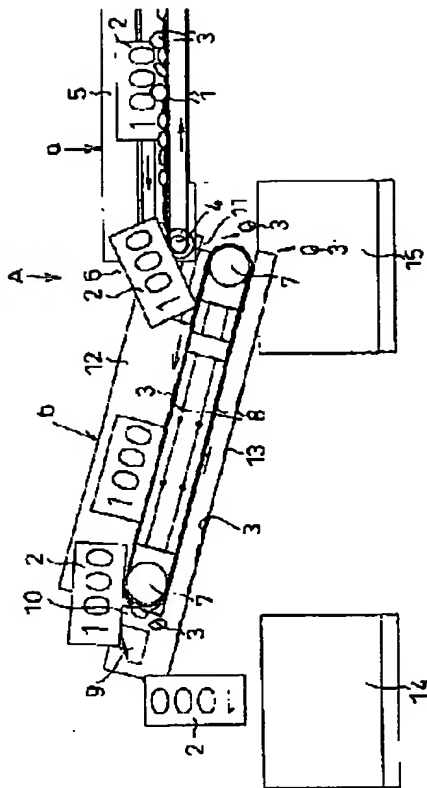
Summary

(57) [Abstract]

[Technical problem] the conveyer for conveyance — the bill was only a front edge, in two stages of the front end section and the back end section, the conveyed bill, the coin conveyed in the polymerization or the state where a polymerization is not carried out are classified, and the coin could be made to carry out the fall receipt of it according to the distribution mechanism currently installed in the front end section of the conveyer for conveyance

[Means for Solution] While making the front into the letter of an inclination a little and installing it in the trailer of the conveyer for conveyance which conveys the bill and medal which are used in a pachislot game facility etc., the bill conveyed by aforementioned conveyer prepared the distribution mechanism of the bill which distributes a medal to a medal housing certainly and is made to contain in the bill housing.

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CLAIMS

[Claim(s)]

[Claim 1] The bill conveyed by aforementioned conveyer while making the front into the letter of an inclination a little and installing it in the trailer of the conveyer for conveyance which conveys the bill and medal which are used in a pachislot game facility etc. is the common transport device of the bill and medal which are characterized by a medal establishing the distribution mechanism of the bill distributes to a medal housing certainly and it is made to contain at a bill housing.

[Claim 2] While failing to slide on the medal which prepared the medal housing in the lower part section of the back section of the distribution mechanism of the aforementioned bill and a medal, and fell from the front edge of the aforementioned conveyer for conveyance and containing it from this mechanism under inclination After making only the bill conveyed by the front section in the state of the rise move forward a little, the distribution mechanism in which it has a fall ***** induction machine style for a bill is established. It is the common transport device of the bill according to claim 1 and medal which are characterized by having fallen some medals which prepared the gap section between the aforementioned induction machine style and the aforementioned front pulley, and have been conveyed by the upper part section with the belt, and making after fall into the mechanism in which it slides down.

[Claim 3] The bill conveyed by aforementioned conveyer while making the front into the letter of an inclination a little and installing it in the trailer of the conveyer for conveyance which conveys the bill and the coin which are used in a pachinko game facility etc. is the common transport device of the bill and the coin which are characterized by for a coin to establish the distribution mechanism of the bill and the coin distribute to a coin housing certainly and it is made to contain at a bill housing.

[Claim 4] While failing to slide on the coin which prepared the coin housing in the lower part section of the back section of the common transport device of the aforementioned bill and a coin, and fell from the front edge of the aforementioned conveyer for conveyance and containing it from this mechanism under inclination After making only the bill conveyed by the front section of the aforementioned transport device in the state of elevation move forward a little, Some coins which established the distribution mechanism in which it had a fall ***** induction machine style for a bill, prepared the gap section between the aforementioned distribution mechanism and the aforementioned front pulley, and were conveyed by the upper part section with the belt are fallen. After fall is the common transport device of the bill according to claim 3 and coin which are characterized by making it a mechanism which is slid down.

[Claim 5] The coin and bill which were fed into the medal on-hire opportunity or pachinko ball rental machine of a pachislot machine or a pachinko machine, Or the conveyer for conveyance of the shape of level [aforementioned] linked to the conveyer for conveyance which is intermingled and conveys a medal and a bill is received. The bill descent mechanism for a game facility characterized by preparing the space section which the bill which has fallen in the shape of length rotates [section] in the lower part section of the bill descent mechanism of installation in the longwise direction which constitutes a ball rental machine or a medal on-hire opportunity by self-weight, and makes the sense change into it in the shape of oblong.

[Claim 6] The bill descent mechanism for a game facility according to claim 5

characterized by the space section of the lower part section of the aforementioned bill descent mechanism forming in the same part as the advance direction of the belt of the conveyer for conveyance.

[Claim 7] The bill descent mechanism for a game facility according to claim 3 or 6 characterized by establishing a bill reversal mechanism so that the edge section of corner approach may hit a part opposite to the aforementioned space section among the lower part edge section of a fall bill.

[Claim 8] The aforementioned space section is a bill descent mechanism for a game facility according to claim 5, 6, or 7 characterized by forming in the shape of a semicircle.

[Claim 9] The aforementioned distribution mechanisms are common transport devices, such as the claim 1 characterized by preparing the sliding way section which slides down a medal or a coin in the belt driven with the drive which conveys a bill, a coin, or a medal, the front section of the aforementioned belt and the opening section to which a coin or a medal falls in the back section, and the lower part section of the aforementioned belt or a coin according to claim 2, 3, or 4, and a bill.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[The technical field to which invention belongs] this invention relates to the common transport device of the coin used in a game facility of a pachislot etc., and a bill, and the field of a bill fall mechanism.

[0002]

[Description of the Prior Art] As a common transport device of the coin thrown into the ball rental machine between bases, or the medal on-hire opportunity, a bill, and a medal, there is an application for patent [finishing / application of this applicant]

No. (common transport devices, such as a coin of the injection to the ball rental machine between bases etc. and a bill) 397189 / 2000 to /.

[0003] The common transport device of the above-mentioned application had the case where the bill, coin, or medal which is a conveyed object can classify certainly, and the case where judgment could be easily impossible.

[0004] The vertical configuration bill descent mechanism in which the bill thrown into the ball rental machine furthermore connected with the aforementioned common transport device of the aforementioned application or the medal on-hire opportunity and a coin are made to fall had the case where it was caught in making longwise shell horizontal length turn a bill, and a turn was certainly impossible for it, depending on the case.

[0005]

[Problem(s) to be Solved by the Invention] common transport devices, such as a coin of this invention, and a bill, — the 1st — the conveyer for conveyance — the bill was only a front edge, in two stages of the front end section and the back end section, the conveyed bill, the coin conveyed in the polymerization or the state where a polymerization is not carried out are classified, and the coin could be made to carry out the fall receipt of it according to the distribution mechanism currently installed in the front end section of the conveyer for conveyance

[0006] Furthermore, you carry out natural fall of the bill thrown into opportunities on hire, such as medals, such as a pachislot, through a bill descent mechanism at the shape of longwise, and make it rotate without making a longwise-like bill into very easy structure, and moreover being caught, just before reaching the aforementioned conveyer for conveyance, and the bill descent mechanism of this invention changes the sense, and conveys it by conveyer for conveyance.

[0007]

[Means for Solving the Problem] While invention according to claim 1 is made into the letter of an inclination a little and installs the front in the trailer of the conveyer for conveyance which conveys the bill and the medal which are used in a pachislot game facility etc., the bill conveyed by aforementioned conveyer is the common transport device of the bill and the medal which are characterized by for a medal to establish the distribution mechanism of the bill distributes to a medal housing certainly and it is made to contain at a bill housing.

[0008] While failing to slide on the medal which invention according to claim 2 prepared the medal housing in the lower part section of the back section of the distribution mechanism of the aforementioned bill and a medal, and fell from the front edge of the aforementioned conveyer for conveyance and containing it from this mechanism under inclination After making only the bill conveyed by the front section in the state of elevation move forward a little, the distribution mechanism in which it has a fall ***** induction machine style for a bill is established. It is the common transport device of the bill according to claim 1 and medal which are characterized by having fallen some medals which prepared the gap section between

the aforementioned induction machine style and the aforementioned front pulley, and have been conveyed by the upper part section with the belt, and making after fall into a mechanism which is slid down.

[0009] While invention according to claim 3 makes into the letter of an inclination a little and installs the front in the trailer of the conveyer for conveyance which conveys the bill and the coin which are used in a pachinko game facility etc., the bill conveyed by the aforementioned conveyer is the common transport device of the bill and the coin which are characterized by for a coin to establish the distribution mechanism of the bill and the coin distribute to a coin housing certainly and it is made to contain at a bill housing.

[0010] While failing to slide on the coin which invention according to claim 4 prepared the coin housing in the lower part section of the back section of the common transport device of the aforementioned bill and a coin, and fell from the front edge of the aforementioned conveyer for conveyance and containing it from this mechanism under inclination After making only the bill conveyed by the front section of the aforementioned transport device in the state of elevation move forward a little, Some coins which established the distribution mechanism in which it had a fall ***** induction machine style for a bill, prepared the gap section between the aforementioned distribution mechanism and the aforementioned front pulley, and were conveyed by the upper part section with the belt are fallen. After fall is the common transport device of the bill according to claim 3 and coin which are characterized by making it a mechanism which is slid down.

[0011] The coin and bill with which invention according to claim 5 was supplied to the medal on-hire opportunity or pachinko ball rental machine of a pachislot machine or a pachinko machine, Or the conveyer for conveyance of the shape of level [aforementioned] linked to the conveyer for conveyance which is intermingled and conveys a medal and a bill is received. It is the bill descent mechanism for a game facility characterized by preparing the space section which the bill which has fallen in the shape of length rotates [section] in the lower part section of the bill descent mechanism of installation in the longwise direction which constitutes a ball rental machine or a medal on-hire opportunity by self-weight, and makes the sense change into it in the shape of oblong.

[0012] Invention according to claim 6 is a bill descent mechanism for a game facility according to claim 5 characterized by the space section of the lower part section of the aforementioned bill descent mechanism forming in the same part as the advance direction of the belt of the conveyer for conveyance.

[0013] Invention according to claim 7 is a bill descent mechanism for a game facility according to claim 3 or 6 characterized by establishing a bill reversal mechanism so that the edge section of corner approach may hit among the lower part edge section of a fall bill at a part opposite to the aforementioned space section.

[0014] It is the bill descent mechanism for a game facility according to claim 5, 6, or 7 characterized by invention according to claim 8 forming the aforementioned space

section in the shape of a semicircle.

[0015] Invention according to claim 9 is common transport devices, such as the claim 1 characterized by the aforementioned distribution mechanism preparing the sliding way section which slides down a medal or a coin in the belt driven with the drive which conveys a bill, a coin, or a medal, the front section of the aforementioned belt and the opening section to which a coin or a medal falls in the back section, and the lower part section of the aforementioned belt or a coin according to claim 2, 3, or 4, and a bill.

[0016]

[Embodiments of the Invention] Since the gestalt of operation is common, it bundles up as follows and invention according to claim 1 to 9 is explained.

[0017] A is a common transport device which shares and conveys a bill 2 and coin 3 grade.

[0018] a is a conveyer for conveyance which constitutes the aforementioned transport device A, and consists of the following composition.

[0019] The aforementioned conveyer a is driven with a drive and made to **** a belt 1 to the pulleys 4 and 4 which have a ***** interval. And the front face of the aforementioned belt 1 uses materials on which it is hard to slide, or the processed thing.

[0020] The panel section which makes the bill 2 grade from which 5 constitutes the aforementioned conveyer a convey certainly, and 6 are the front sections of the aforementioned conveyer a.

[0021] It is conveyed or the aforementioned coin 3 is conveyed in the state where overlap and it does not lap.

[0022] b is the distribution mechanism in which a bill 2 and a coin 3 are distributed, and consists of the following mechanisms.

[0023] This mechanism b is driven with a drive and **** a belt 8 to the pulleys 7 and 7 which moreover set and install a predetermined interval. The front face of this belt 8 is processed so that neither a bill 2 nor a coin 3 may be slippery.

[0024] Furthermore, the aforementioned mechanism b equips with the induction machine style 9 which guides descent of the bill 2 conveyed by the front section at the point. And the gap section 10 in which a coin 3 falls is formed between the points of the aforementioned mechanism 9 and the aforementioned mechanism b. 11 is the back gap section.

[0025] 12 is the panel section which prevents the inclination of a bill 2 and is made to convey certainly.

[0026] It consists of the above composition and distributes, and Mechanism b makes it the back end section of the aforementioned distribution mechanism b located, it raises only a predetermined angle in the direct lower part of the front section 6 of the aforementioned conveyer a for conveyance, and installs the point of the aforementioned mechanism b in it like drawing illustration at an inclination state.

[0027] This inclination may usually be 15 degrees.

[0028] And inclining a little, it lays to the belt 8 of the distribution mechanism b, and the bill 2 with which the nose of cam was sent in by inclining a little from the front section 6 of the aforementioned conveyer a moves forward.

[0029] 14 is a bill stowage and 15 is a coin stowage.

[0030] In the case of a pachislot machine style, the common transport device A of this invention shares and conveys a medal and a bill 2 instead of a coin.

[0031] Furthermore, the polymerization of the coin 3 under conveyance may not be alone carried out by aforementioned conveyer a of the common transport device A of this invention, or the polymerization may be carried out.

[0032] In the front section 6 of the aforementioned conveyer a, although the coin 3 which does not carry out a polymerization falls to the belt 8 of distribution equipment [directly under] b, the fall reservoir of it is carried out at the downward housing 15 for the letter of an inclination.

[0033] It breaks away, when the front section 6 of the aforementioned conveyer a is reached as mentioned above, and the coin 3 which furthermore carries out a polymerization falls in a housing 15 immediately as mentioned above, or carries out a polymerization again, and lays and moves forward to a belt 8. In this case, if the front section of the distribution mechanism b is reached, a fall reservoir will be carried out to the aforementioned stowage 15 by the sliding way section 13 simultaneously with surroundings **** under [section / gap / 10] the belt 8.

[0034] 9 is the distribution mechanism prepared in the front section of the front pulley 7 which constitutes the distribution mechanism b. This mechanism 9 will fall inclining downward gradually, if the conveyed bill 2 inclines a little and is simultaneously sent out by advance of a belt 8.

[0035] The gestalt of operation of the bill descent mechanism B for a game facility of this invention is explained below.

[0036] 16 is a bill descent pipe which constitutes the bill descent mechanism B, and is included in the ball rental machine or the medal on-hire opportunity.

[0037] And the aforementioned descent pipe 16 has the breadth to which the various bills 2 fall in the longwise direction. Moreover, the aforementioned bill 2 is natural fall.

[0038] 18 is the bill reversal mechanism which made the lower part section of the aforementioned descent pipe 16, and was moreover prepared in the method of an unilateral. This mechanism 18 may have and form the shape of a rod. And among the lower part edge section of the bill 2 which fell in this mechanism 18, it attaches so that the edge section of corner approach may hit.

[0039] If a bill 2 hits as mentioned above, since [that the aforementioned mechanism 18 is long and slender] it is cylindrical, a bill 2 will be concentrated compulsorily.

[0040] 17 is the space section of the letter of bulge. This space section 17 is a generous enough space, even if the aforementioned bill 2 becomes oblong, when the bill 2 which fell is compulsorily reversed in the shape of oblong from a longwise state

with the aforementioned reversal mechanism 18.

[0041] The aforementioned space section 17 is formed in the lower part section of the fall pipe 16 of the same part as the advance direction of a belt 1.

[0042] Furthermore, without limiting on a semicircle, like a drawing, a bill 2 is reversed and the bulge configuration of the space section 17 is formed in falling with an convenient configuration.

[0043]

[Effect of the Invention] While invention according to claim 1 makes the front the letter of an inclination a little and installs it in the trailer of the conveyer for conveyance which conveys the bill and medal which are used in a pachislot game facility etc. Since the bill conveyed by aforementioned conveyer is the common transport device of the bill and medal which prepared the distribution mechanism of the bill which distributes a medal to a medal housing certainly and is made to contain in the bill housing The bill conveyed by conveyer for conveyance failed to be slippery in the first stage, and it was made to make the coin conveyed while a bill housing carries out fall receipt and an another side polymerization is certainly carried out to it fall certainly in the following stage, making it slide.

[0044] While failing to slide on the medal which invention according to claim 2 prepared the medal housing in the lower part section of the back section of the distribution mechanism of the aforementioned bill and a medal, and fell from the front edge of the aforementioned conveyer for conveyance and containing it from this mechanism under inclination After making only the bill conveyed by the front section in the state of elevation move forward a little, the distribution mechanism in which it has a fall ***** induction machine style for a bill is established. Since it is the common transport device of the bill and medal which were made into the mechanism in which it falls and after fall slides down some medals which prepared the gap section between the aforementioned induction machine style and the aforementioned front pulley, and have been conveyed by the upper part section with the belt The conveyed bill has the advantage which can be contained to the housing of a predetermined part certainly [carrying out the polymerization also of the conveyed medal *****] in two stages while being able to contain it to a housing certainly through a front induction machine style.

[0045] While invention according to claim 3 makes the front the letter of an inclination a little and installs it in the trailer of the conveyer for conveyance which conveys the bill and coin which are used in a pachinko game facility etc. Since the bill conveyed by aforementioned conveyer is the common transport device of the bill and coin which prepared the distribution mechanism of the bill and coin which a coin distributes to a coin housing certainly and are made to contain in the bill housing, it has the same effect as invention according to claim 1.

[0046] While failing to slide on the coin which invention according to claim 4 prepared the coin housing in the lower part section of the back section of the common transport device of the aforementioned bill and a coin, and fell from the

front edge of the aforementioned conveyer for conveyance and containing it from this mechanism under inclination After making only the bill conveyed by the front section of the aforementioned transport device in the state of elevation move forward a little, Some coins which established the distribution mechanism in which it had a fall ***** induction machine style for a bill, prepared the gap section between the aforementioned distribution mechanism and the aforementioned front pulley, and were conveyed by the upper part section with the belt are fallen. Since after fall is the common transport device of the bill and coin which were made into a mechanism which is slid down, it has the same effect as invention according to claim 3.

[0047] The coin and bill with which invention according to claim 5 was supplied to the medal on-hire opportunity or pachinko ball rental machine of a pachislot machine or a pachinko machine, Or the conveyer for conveyance of the shape of level [aforementioned] linked to the conveyer for conveyance which is intermingled and conveys a medal and a bill is received. Since it is the bill descent mechanism for a game facility in which the space section which the bill which has fallen in the shape of length rotates [section] in the lower part section of the bill descent mechanism of installation in the longwise direction which constitutes a ball rental machine or a medal on-hire opportunity by self-weight, and makes the sense change into it in the shape of oblong was prepared It has the advantage make reverse certainly the various bills which fall in a vertical configuration through a bill descent mechanism, and the aforementioned bill enabled it to reverse convenient at all moreover.

[0048] Since the space section of the lower part section of the aforementioned bill descent mechanism is the bill descent mechanism for a game facility formed in the same part as the advance direction of the belt of the conveyer for conveyance, invention according to claim 6 has the same effect as invention according to claim 5.

[0049] Since invention according to claim 7 is the bill descent mechanism for a game facility in which the bill reversal mechanism was prepared in the part opposite to the aforementioned space section so that the edge section of corner approach might hit among the lower part edge section of a fall bill, it has the same effect as invention according to claim 5.

[0050] Since the aforementioned space section is the bill descent mechanism for a game facility formed in the shape of a semicircle, invention according to claim 8 has the same effect as invention according to claim 5.

[0051] Since invention according to claim 9 is common transport devices which prepared the sliding way section which slides down a medal or a coin in the belt which the aforementioned distribution mechanism drives with the drive which conveys a bill, a coin, or a medal, the front section of the aforementioned belt and the opening section to which a coin or a medal falls in the back section, and the lower part section of the aforementioned belt, such as a coin and a bill, a medal or a coin can carry out fall receipt certainly through the sliding way section.

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] a part of common transport devices, such as a coin of this invention, and a bill, — it is notch vertical section front view

[Drawing 2] some of bill descent mechanisms in a common transport device and bill descent mechanisms, such as a coin of this invention, and a bill, and conveyers for conveyance — it is notch vertical section front view

[Description of Notations]

A Common transport device

B Bill descent mechanism

The conveyer for conveyance

b Distribution mechanism

1 Belt

2 Bill

3 Coin

4 Pulley

5 Panel Section

6 Front Section

7 Front Pulley Section

8 Belt

9 Distribution Mechanism

10 Gap Section

11 Back Gap Section

12 Panel Section

13 Sliding Way Section

14 Bill Stowage

15 Coin Stowage

16 Bill Descent Pipe

17 Space Section

18 Bill Reversal Mechanism

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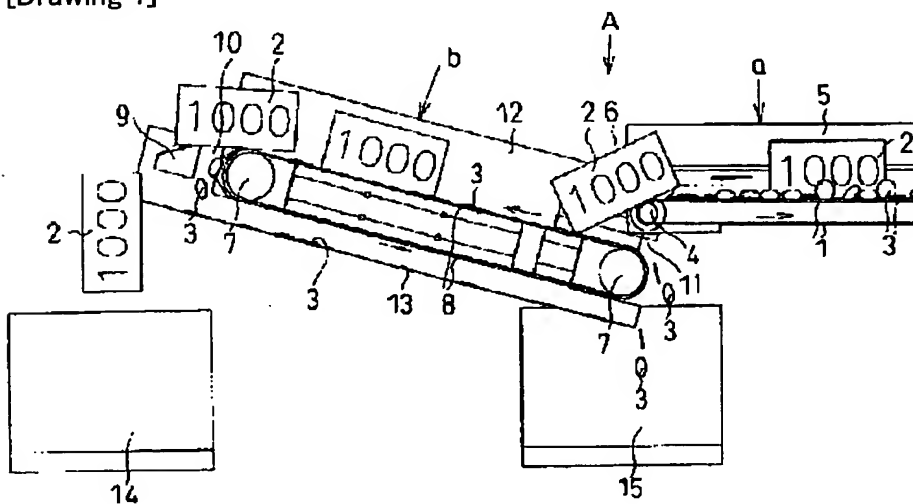
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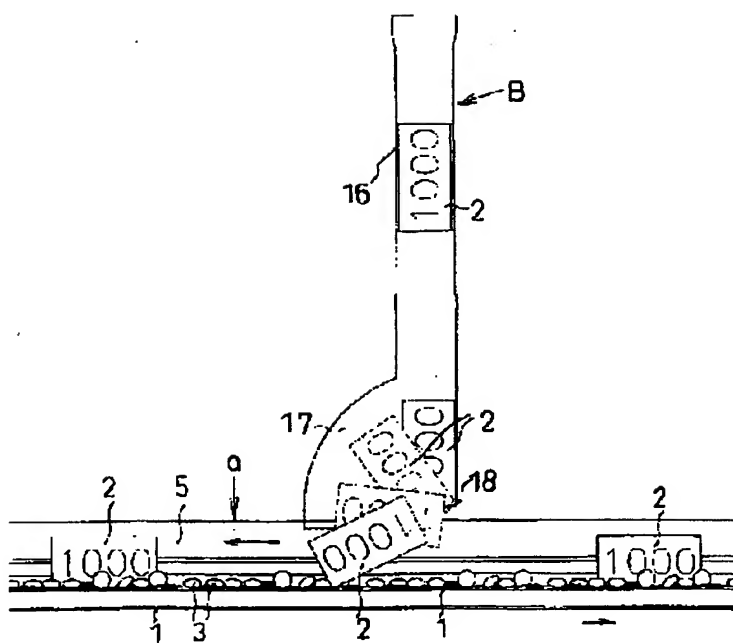
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DRAWINGS

[Drawing 1]



[Drawing 2]



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